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PATENT & TRADEMARK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Inventor(s): Charles Lerman Group Art Unit: 2121

Application No.: 10/048,022 Confirmation No: 1233

Filed: January 28, 2002 Examiner: Unassigned

Title: *ANALYSIS AND PATTERN RECOGNITION IN LARGE, MULTIDIMENSIONAL DATA SETS USING LOW-RESOLUTION DATA GROUPING*

SUPPLEMENTAL PRELIMINARY AMENDMENT

October 3, 2003

Hon. Commissioner of Patents
Alexandria, VA 22313-1450

Sir:

Prior to prosecution on the merits and supplemental to the Preliminary Amendment filed January 28, 2002, please amend this application as follows herein.

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Technology Center 2100

IN THE SPECIFICATION

Please delete the entire paragraph starting at page 37, line 22 and replace it with the following new paragraph:

Note on the output of score and sort clusters: The system inserts two new sheets after the data (see, e.g., **FIGURES 14C-14D**). The first added sheet contains two score columns: the scores generated by *both* of the auto modes (uncolored = zero and uncolored = average), but the one not selected will be gray. The scores are on a scale of "-100" to "+100", where a score of "-100" means that all cells had the maximally negative score available, and a score of "+100" means that all cells had the maximally positive score available. The second added sheet has clusters sorted according to the *one* auto mode chosen when the tool ran. The routine offers to hide all columns that were *not* used in the scoring and sorting. The user can selectively unhide certain columns by using the "Edit:GoTo" menu option (or typing "CTRL-G"), enter the columns in the "Reference" box (for example, C:F), then pick the "Format:Column:Unhide" menu option.

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Please delete the entire paragraph starting at page 46, line 16 and replace it with the following new paragraph:

The case of P=3 and C=3 is presented below in its entirety for illustration. **FIGURE 16F** shows artificial data and processing for twenty seven (27) hypothetical compounds. The "percent inhibition" columns represent assay "data." If one defines three groups by breakpoints at 33% and

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